

Product Data Sheet

Recombinant Human CA3 Protein

Catalog #	Source	Reactivity	Applications
CRP1157	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CA3 Protein is produced by our E. coli expression system and the target gene encoding Ala2-Lys260 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 25mM Tris-HCl, 150mM NaCl, pH8.5.		
Gene Symbol	CA3		
Alternative Names	Carbonic anhydrase 3; Carbonate dehydratase III; Carbonic anhydrase III; CA-III		
Entrez Gene	761 (Human)		
SwissProt	P07451 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	AKEWGYASHN GPDHWHELP NAKGENQSPI ELHTKDIRHD PSLQPWSVSY DGGS AKTILN NGKTCRVVFD DTYDRSMLRG GPLPGPYRLR QFHLHWGSSD DHGSEHTVDG VKYAAELHLV HWNPKYNTFK EALKQRDZIA VIGIFLKIGH ENGEFQIFLD ALDKIKTKGK EAPFTKFDPS CLFPACRDYW TYQGSFTTPP CEECIVWLLL KEPMTVSSDQ MAKLRSLSS AENEPPVPLV SNWRPPQPIN NRVVRAFSL EHHHHHHH		
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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